



Inductor

TCRS Radial Series Choke Inductor / 闭磁式抗流线圈

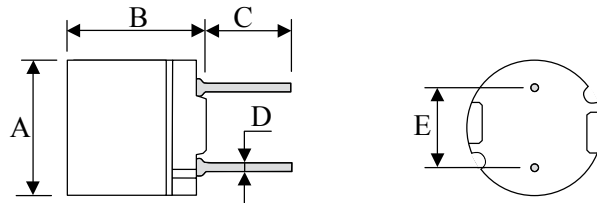
► Features

Magnetic shielded construction.
Ideal for use as an inductor for high current power supplies in all types of electronic instruments.

► Applications

Notebook, Inkjet printer, Copying machine, Display monitor, Cellular phone, ADSL modem, Gaming machine, Color TV, Video tape recorder, Video camera, Microwave oven, Lighting and Car electronics.

► Shielded Radial Choke Inductor Configurations & Dimensions (unit: mm)



Type	ΦA (max)	B (max)	C ± 1.0	D ± 0.05	E ± 0.5
TCRS0606	6.5	6.5	4.0	0.50	4.0
TCRS0807	8.3	7.5	5.0	0.65	5.0

Note: Design as Customer's Requested Specifications.

► Electrical Characteristics for TCRS0606 Series Choke Inductors

Part Number	Inductance(μ H)	Test Freq.(KHz)	DCR (Ω)(max)	IDC (A)(max)
TCRS0606 - 220M	22.00	1	0.130	0.96
TCRS0606 - 270M	27.00	1	0.180	0.87
TCRS0606 - 330M	33.00	1	0.210	0.78
TCRS0606 - 390M	39.00	1	0.260	0.72
TCRS0606 - 470M	47.00	1	0.290	0.66
TCRS0606 - 560M	56.00	1	0.330	0.60
TCRS0606 - 680M	68.00	1	0.360	0.55
TCRS0606 - 820M	82.00	1	0.390	0.50
TCRS0606 - 101M	100.00	1	0.540	0.45
TCRS0606 - 121M	120.00	1	0.620	0.41
TCRS0606 - 151M	150.00	1	0.720	0.37
TCRS0606 - 181M	180.00	1	0.880	0.34
TCRS0606 - 221M	220.00	1	0.990	0.30
TCRS0606 - 271M	270.00	1	1.520	0.27
TCRS0606 - 331M	330.00	1	1.690	0.25
TCRS0606 - 391M	390.00	1	1.850	0.23
TCRS0606 - 471M	470.00	1	2.850	0.21
TCRS0606 - 561M	560.00	1	3.210	0.19
TCRS0606 - 681M	680.00	1	3.600	0.17
TCRS0606 - 821M	820.00	1	4.870	0.16
TCRS0606 - 102M	1000.00	1	5.560	0.14

Note: Test Freq.: 1KHz / 0.25V.

Operating Temp.: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

Inductance drop = 10% typ. at IDC.



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► Electrical Characteristics for TCRS0807 Series Choke Inductors

Part Number	Inductance(μ H)	Test Freq.(KHz)	DCR (Ω)(max)	IDC (A)(max)
TCRS0807 - 220M	22.00	1	0.080	1.60
TCRS0807 - 270M	27.00	1	0.100	1.40
TCRS0807 - 330M	33.00	1	0.140	1.30
TCRS0807 - 390M	39.00	1	0.150	1.20
TCRS0807 - 470M	47.00	1	0.170	1.10
TCRS0807 - 560M	56.00	1	0.190	0.99
TCRS0807 - 680M	68.00	1	0.210	0.89
TCRS0807 - 820M	82.00	1	0.270	0.81
TCRS0807 - 101M	100.00	1	0.320	0.74
TCRS0807 - 121M	120.00	1	0.360	0.67
TCRS0807 - 151M	150.00	1	0.510	0.60
TCRS0807 - 181M	180.00	1	0.570	0.55
TCRS0807 - 221M	220.00	1	0.760	0.50
TCRS0807 - 271M	270.00	1	0.860	0.45
TCRS0807 - 331M	330.00	1	0.970	0.41
TCRS0807 - 391M	390.00	1	1.280	0.37
TCRS0807 - 471M	470.00	1	1.440	0.34
TCRS0807 - 561M	560.00	1	1.610	0.31
TCRS0807 - 681M	680.00	1	2.070	0.28
TCRS0807 - 821M	820.00	1	2.330	0.26
TCRS0807 - 102M	1000.00	1	2.720	0.23
TCRS0807 - 122M	1200.00	1	3.980	0.21
TCRS0807 - 152M	1500.00	1	4.500	0.19
TCRS0807 - 182M	1800.00	1	6.810	0.17
TCRS0807 - 222M	2200.00	1	7.560	0.16
TCRS0807 - 272M	2700.00	1	8.540	0.14
TCRS0807 - 332M	3300.00	1	9.740	0.13
TCRS0807 - 392M	3900.00	1	12.900	0.12
TCRS0807 - 472M	4700.00	1	14.700	0.11
TCRS0807 - 562M	5600.00	1	20.400	0.099
TCRS0807 - 682M	6800.00	1	23.000	0.089
TCRS0807 - 822M	8200.00	1	30.600	0.081
TCRS0807 - 103M	10000.00	1	35.000	0.074

Note: Test Freq.: 1KHz / 0.25V.

Operating Temp.: -40°C ~ +85°C

Inductance drop = 10% typ. at IDC.





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► How to Order

TCRS **0606** - **220** **M**

① ② ③ ④

① Choke Inductor Shielded Radial: TCRS

② Size: 0606, 0807

③ Inductance

Code	Inductance
220	22.00μH
101	100.00μH
102	1000.00μH
103	10000.00μH

④ Tolerance

Code	Tolerance
J	5%
K	10%
L	15%
M	20%
N	30%
Y	min